

To: Mahler, Tom[mahler.tom@epa.gov]
From: Washburn, Ben
Sent: Tue 5/24/2016 3:04:27 PM
Subject: RE: sediment QAPP revisions

Got it – gracias!

Benjamin M. Washburn

Public Affairs Specialist

EPA Region 7

(913) 551-7364

From: Mahler, Tom
Sent: Tuesday, May 24, 2016 9:56 AM
To: Washburn, Ben <washburn.ben@epa.gov>
Subject: FW: sediment QAPP revisions

Here is the updated QAPP for sediment sampling. The updated figure is the last page.

If you need this in a separate pdf let me know. I have copied the language that I sent to the RPs about collecting these samples below:

Paul,

As you are aware, three sediment samples were collected on January 6th, 2016 as part of the Additional Characterization work for Area 1 and Area 2. For each of these three samples, EPA collected splits. After reviewing the validated data from you and your clients in addition to the EPA split samples data (see attached), EPA has determined that SED4 and EPA's split for this sample (SED 4-EPA DUP) contain radionuclides which meet the definition of RIM for OU-1 of the West Lake Landfill site. Specifically the Combined Thorium concentrations for SED4 and SED 4-EPA DUP are 16.16 pCi/g and 20.63 pCi/g

respectively which exceeds the established limit of 7.9 pCi/g.

Additionally, EPA provided a QAPP for the collection of additional sediment samples which has since been updated. I have attached an updated version of this QAPP which includes an updated figure that depicts the previously collected sediment samples as well as new proposed sample locations. Specifically the QAPP requires the collection of additional sediment samples located between SED4 and the north corner of the West Lake Landfill property along the drainage pathway for storm water situated between the OU-1, Area 2 fence line and St. Charles Rock Road.

EPA Region 7 requires further characterization of this portion of the landfill property as soon as access is attainable and recent storm water recedes. We are requesting that the PRPs perform a gamma walkover survey to determine if there are any elevated areas of gamma radiation for which biased sediment samples could be collected. In addition, EPA Region 7 will require 5 additional sediment samples be collected approximately every 100 feet between SED 4 and the north corner of the landfill property (see attached updated figure from the QAAP). One of these sample locations will require the collection of a duplicate sample for data quality purposes. Finally, because of the recent storm events which have inundated this area with storm water, the collection of an additional sample from the SED4 location will also be required. EPA will collect these samples or will collect 100% split samples. This work is to be performed during the week of May 23, 2016. If a gamma survey cannot be performed the week of May 23, 2016, because of residual storm water or excessive vegetation, it may be delayed until conditions change. Please move forward with collection of the sediment samples regardless.

Finally, EPA is also requiring the PRPs to provide definitive information on the locations of storm water drainage that runs along the east side of the West Lake complex located between the norther portion of the Bridgeton landfill, OU-1 Area 1, and St. Charles Rock Road. Please ensure to include information associated with the four drop boxes and/or inlets located immediately North and South of the landfill entrance road, as well as whether there is a connection between the storm water collection pond(s) in the northeast portion of the West Lake complex, and immediately north of the complex and the sediment pond to the north of the complex and east of St Charles Rock Road. Please provide this information by Wednesday, May 25, 2016

Please let me know if you have any questions about these proposed sampling plan. Also, please coordinate with me on the timing for collection of the sediment samples.

Sorry for the delay, this email was sitting in my draft folder for some reason.

Tom

From: Monnig, Rob [<mailto:rob.monnig@tetrattech.com>]
Sent: Monday, May 23, 2016 10:43 AM
To: Mahler, Tom <mahler.tom@epa.gov>
Cc: Colin.Willits@tetrattech.com
Subject: RE: sediment QAPP revisions

Good morning, Tom – Here's the final. The hardcopy and CD should be over there today, if not already.

Rob

From: Mahler, Tom [<mailto:mahler.tom@epa.gov>]
Sent: Monday, May 23, 2016 10:39 AM
To: Monnig, Rob <rob.monnig@tetrattech.com>
Cc: Willits, Colin <Colin.Willits@tetrattech.com>
Subject: FW: sediment QAPP revisions

Diane had no issues with our update to the sediment QAPP.

Can you go ahead and finalize it. Then send me back a PDF that I can start working through our document system. We are planning to post this QAPP publicly at some point this week.

I think now would be a good time to get started on an ASR for Test America for a total of 6 samples. I am planning to ask the RPs to collect 5 additional samples as depicted in the QAPP and then also to collect from SED4 again. So we would have splits for 6 total samples.

Let me know if there are any questions,

Tom

From: Harris, Diane E.
Sent: Friday, May 20, 2016 9:39 AM
To: Mahler, Tom <mahler.tom@epa.gov>
Cc: Vann, Bradley <Vann.Bradley@epa.gov>
Subject: RE: sediment QAPP revisions

Hello Tom – The changes look okay to QA. Thanks for sharing.

Diane H.

X7258

From: Mahler, Tom
Sent: Friday, May 20, 2016 9:04 AM
To: Harris, Diane E. <Harris.Dianee@epa.gov>
Cc: Vann, Bradley <Vann.Bradley@epa.gov>
Subject: Fwd: sediment QAPP revisions

Hi Daine,

Brad and I have an interest in collecting some additional sediment samples around the West Lake Landfill site. We intend to collect those samples in the same manor and according to the QAPP which we previously utilized and you reviewed.

We have updated a figure to depict these proposed locations and edited one table in the QAPP which speaks to the sample locations and rationale.

Can you review this slightly edited version of the QAPP and let us know if there are any issues? Feel free to call me or Brad with any questions.

Thanks,

Tom

816-604-0546

Sent from my iPad

Begin forwarded message:

From: "Monnig, Rob" <rob.monnig@tetrattech.com>
To: "Mahler, Tom" <mahler.tom@epa.gov>
Subject: sediment QAPP revisions

Hi Tom – I'm sending this through for signatures. Here's the proposed revisions. If you need anything different, just let me know...

Rob Monnig, PE | Chemical Engineer

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